IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

Chandrakumar, et. al.

GROUP ART UNIT: Not Assigned

SERIAL NUMBER: Not Assigned

EXAMINER: Not Assigned

FILED: November 20, 2003

DATE: November 20, 2003

TITLE: HETEROCYCLIC GLYCYL B-Alanine Derivatives

I hereby certify that this correspondence is being deposited with the United States Postal Service as

Express Mail EV 397361436 US addressed to:

Commissioner for Patents,
Alexandria, VA 22313-1450 on November 20, 2003
by Linda Haley

Linda Haley

Date: November 20, 2003

ASSOCIATE POWER OF ATTORNEY

Commissioner for Patents Alexandria, VA 22313-1450

Sir:

Please recognize Rachel A. Polster, Registration No.47,004, whose post office address is:

PHARMACIA CORPORATION of Pfizer Inc.
Corporate Patent Department P. O. Box 1027
Chesterfield, MO 63006
Tel: 314-274-7354

as Patent Agent in the above-identified application with full power to transact all business before the Patent and Trademark Office with regard to said application and any continuation or divisional applications thereof.

Please address all future communications with regard to this application to Rachel A. Polster at the address indicated.

Respectfully submitted,

PHARMACIA CORPORATION of Pfizer Inc.
Corporate Patent Department P. O. Box 1027
Chesterfield, MO 63006

Scott J. Meyer Attorney for Applicants Registration No. 25,275

314-274-3117

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HETEROCYCLIC GLYCYL β-ALANINE DERIVATIVES

The speci:	fication of	which (check one)	
☐ is	attached he	ereto	
x was	s filed on !	April 8. 1999	
as Applica applicable	ation <u>09/28</u> 9 e).	9,140 and was amended on	(if
of the abo	ove identif:	that I have reviewed and under ied specification, including th ment referred to above.	stand the contents e claims, as
to the pai	tentability	the duty to disclose informatio of this application in accorda lations, §1.56(a).	n which is material nce with Title 37,
States Codinventor's	de, § 119 of s certificat polication f	foreign priority benefits unde f any foreign application(s) fo te listed below and have also i for patent or inventor's certif hat of the application on which	r patent or dentified below any icate having a
٠		PRIOR FOREIGN APPLICATION(S)	Priority Claimed
(Number)	(Country)	(Day/month/year filed)	Yes No
(Number)	(Country)	(Day/month/year filed)	Yes No
(Number)	(Country)	(Day/month/year filed)	Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of mittle 35, United States Code, § 112, I acknowledge the duty to disclose material information as

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(Application Serial No.) (Filing date) (Status) (patented, pending, abandoned)

(Application Serial No.) (Filing date) (Status) (patented, pending, abandoned)

I hereby claim the benefit under 35 USC §119(e) of any United States Provisional Application listed below:

60/081.394 Application Number April 10, 1998 Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint as attorneys agents: DENNIS A. BENNETT, Registration No. 34547, JOSEPH W. BULOCK, Registration No. 37103, J. TIMOTHY KEANE, Registration No. 27808, CYNTHIA S. KOVACEVIC, Registration No. 35578, SCOTT J. MEYER, Registration No. 25275, MICHAEL J. ROTH, Registration No. 29342, and ROGER A. WILLIAMS, Registration No. 27679, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct all telephone calls to Cynthia S. Kovacevic at (847) 581-6954 and address all correspondence to:

G. D. Searle & Co.
Corporate Patent Law Department
P.O. Box 5110
Chicago, IL 60680-5110
Attn: Roger A. Williams

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	LAST	FIRST Nizal		MIDDLE	
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FULL NAME (INVENTOR)	Gasiecki	Alan		Frank	
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SIGNATURE OF INVENTOR	Shan-	The NT	DA'	TE June	10, 1999

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SIGNATURE OF INVENTOR			DA	TE	

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POST OFFICE ADDRESS	Creek Drive	Ballwin	Missouri		63021
SIGNATURE OF INVENTOR			DA'	re	

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RESIDENCE & CITIZENSHIP						
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SIGNATURE OF INVENTOR			DATE		

FULL NAME (INVENTOR)	LAST	FIRST		MIDDLE	
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CITIZENSHIP		COUNTRY Illinois		People's Republic of China	
POST OFFICE	P.O. ADDRESS 9065 Gross	CITY	ST	ATE/COUNTRY	ZIP CODE
ADDRESS	Point Road	Skokie		Illinois	60077
SIGNATURE OF INVENTOR			DAT	re .	

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My residence, post office address and citizenship are as stated below next to my name; that

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is attached hereto	
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was filed on April 8, 1999	
as Application <u>09/289,140</u> and was amended onapplicable).	(if
I hereby state that I have reviewed and understand of the above identified specification, including the clamended by any amendment referred to above.	the contents ims, as
I acknowledge the duty to disclose information whito the patentability of this application in accordance we come of Federal Regulations, §1.56(a).	ch is material vith Title 37,
I hereby claim foreign priority benefits under Tit States Code, § 119 of any foreign application(s) for pat inventor's certificate listed below and have also identi- foreign application for patent or inventor's certificate filing date before that of the application on which pric claimed:	ent or ified below any having a
	iority aimed
(Number) (Country) (Day/month/year filed) Yes	on s
(Number) (Country) (Day/month/year filed) Yes	ov.
(Number) (Country) (Day/month/year filed) Yes	B No

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	LAST	FIRST		MIDDLE		
FULL NAME (INVENTOR)	Chandrakumar	Nizal		Samuel		
	CITY	STATE/FOREIGN	1	COUNTRY OF C	ITIZENSHIP	
RESIDENCE & CITIZENSHIP		COUNTRY Illinois		India		
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POST OFFICE ADDRESS	r OFFICE 15 Mont- Vernon RESS gomery Lane Hills			Illinois	60061	
SIGNATURE OF INVENTOR			DA'	ГE		

	LAST	FIRST		WIDDLE	
FULL NAME (INVENTOR)	Desai	Bipinchandra STATE/FOREIGN COUNTRY		Nanubhai	•
RESIDENCE &	CITY			COUNTRY OF CITIZENSHIE	
CITIZENSHIP		Illinois		U.S.A.	
POST OFFICE	P.O. ADDRESS	CITY Vernon	ST	ATE/COUNTRY	ZIP CODE
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SIGNATURE OF INVENTOR SUPERIOR PARTIES DEPART			DA'	TE 06-09-	99

	LAST	FIRST		MIDDLE	
(INVENTOR)	Devadas	Balekudru			
	CITY	J		COUNTRY OF	CITIZENSHIP
RESIDENCE & CITIZENSHIP	Chesterfield	COUNTRY Missouri		U.S.A.	
POST OFFICE	P.O. ADDRESS 2175 Para-	CITY	ST	ATE/COUNTRY	ZIP CODE
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SIGNATURE OF INVENTOR			DA!	re	

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	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Gasiecki	Alan		Frank	
RESIDENCE & CITIZENSHIP		STATE/FOREIGN COUNTRY Illinois	1	COUNTRY OF C	ITIZENSHIP
POST OFFICE ADDRESS	P.O. ADDRESS 105 Alexan- dria Drive	CITY Vernon Hills	ST	ATE/COUNTRY Illinois	ZIP CODE 60061
SIGNATURE OF INVENTOR Clan Frank Masslehi				re	

THE LANGE	LAST	FIRST		MIDDLE			
FULL NAME (INVENTOR)	Huff	Renee			·		
RESIDENCE & CITIZENSHIP	CITY Park Ridge	STATE/FOREIGN COUNTRY Illinois	OUNTRY		COUNTRY OF CITIZENSHIP U.S.A.		
POST OFFICE ADDRESS	P.O. ADDRESS 837 N. Lin- coln Ave.	CITY Park Ridge	ST	ATE/COUNTRY Illinois	ZIP CODE 60068		
SIGNATURE OF INVENTOR	1/2	DATE 4/8/99		1			

FULL NAME	LAST Khanna	FIRST	_	MIDDLE	
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SIGNATURE OF INVENTOR /Sh K Khan =			DA'	re 6/9/9	9

	LAST	FIRST		MIDDLE		
FULL NAME (INVENTOR)	Malecha	James		W.		
DEGINERAL C	CITY	STATE/FOREIGN COUNTRY	1	COUNTRY OF C	TIZENSHIP	
RESIDENCE & CITIZENSHIP	Liberty- ville	Illinois		U.S.A.		
	P.O. ADDRESS		ST	ATE/COUNTRY	ZIP CODE	
POST OFFICE ADDRESS	Lane	Liberty- ville		Illinois	60048	
SIGNATURE OF INVENTOR	Dame of M	alaha	DA'	re 619199		

	LAST FIRST			WIDDLE	
FULL NAME (INVENTOR)	Miyashiro	Julie		м.	
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RESIDENCE & CITIZENSHIP	Skokie			U.S.A.	
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SIGNATURE OF INVENTOR JULI M. MUJOSHUR				TE 6/8/99	
	-11	- 1 1			

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Rao	Shashidhar		N.	
DEGENERAL C	CITY	STATE/FOREIGN		COUNTRY OF CITIZENSHIP	
	RESIDENCE & COUNTRY CITIZENSHIP Mundelein Illinois		India		
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POST OFFICE ADDRESS	Place	Mundelein	Illinois		60060
SIGNATURE OF INVENTOR			DA'	re	·

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RESIDENCE & CITIZENSHIP	Ballwin			U.S.A.	
	P.O. ADDRESS	CITY	STATE/COUNTRY Missouri		ZIP CODE
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SIGNATURE OF INVENTOR			DA'	ГE	

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CITIZENSHIP	Ballwin	Missouri		U.S.A.	
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1				COUNTRY OF CITIZENSHI	
RESIDENCE & CITIZENSHIP	ľ	Missouri	UNTRY Missouri		:
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ADDRESS	side Drive	Prairie	Missouri		63366
SIGNATURE OF INVENTOR			DA!	re	

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FULL NAME (INVENTOR)	Russell	Mark		Andrew	
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RESIDENCE & CITIZENSHIP	Gurnee	COUNTRY Illinois		U.S.A.	
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SIGNATURE Much A Runel			DA'	18 9 9	<u> </u>

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FULL NAME (INVENTOR)	Yu	Yi			
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POST OFFICE ADDRESS	P.O. ADDRESS 9065 Gross Point Road	CITY Skokie	STATE/COUNTRY Illinois		ZIP CODE 60077
SIGNATURE OF INVENTOR	<i></i>	ilg	DA'	re 6/8/99	

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		PRIOR FOREIGN APPLICATION(S)	
		• • • • • • • • • • • • • • • • • • • •	Priority Claimed
(Number)	(Country)	(Day/month/year filed)	Yes No
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SIGNATURE OF INVENTOR			DA'	ГЕ	

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SIGNATURE OF INVENTOR			DA'	re	

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RESIDENCE & CITIZENSHIP		COUNTRY Illinois		India	
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CITY		STATE/FOREIGN		COUNTRY OF CITIZENSHIP		
RESIDENCE & CITIZENSHIP		COUNTRY Illinois		U.S.A.		
	P.O. ADDRESS		ST	ATE/COUNTRY	ZIP CODE	
POST OFFICE ADDRESS	Lane	Liberty- ville	:	Illinois	60048	
SIGNATURE OF INVENTOR			DA'	re		

	LAST	FIRST		MIDDLE		
FULL NAME (INVENTOR)	Miyashiro	Julie		м.		
	CITY	STATE/FOREIGN	1	COUNTRY OF C	ITIZENSHIP	
RESIDENCE & CITIZENSHIP	Skokie	COUNTRY Illinois		U.S.A.		
	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE	
POST OFFICE ADDRESS	4654 W. Keeney	Skokie	Illinois		60076	
SIGNATURE OF INVENTOR			DA'	TE		

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Rao	Shashidhar		N.	
·	CITY			COUNTRY OF CITIZENSHIP	
RESIDENCE & CITIZENSHIP	Mundelein	COUNTRY Illinois		India	
	P.O. ADDRESS	CITY	STA	ATE/COUNTRY	ZIP CODE
POST OFFICE ADDRESS	43 Windsor Place	Mundelein	Illinois		60060
SIGNATURE OF INVENTOR		DA'	re		

	LAST	FIRST	-	MIDDLE	
FULL NAME (INVENTOR)	Rico	Joseph		Gerace	
	CITY	STATE/FOREIGN COUNTRY Missouri		COUNTRY OF	CITIZENSHIP
RESIDENCE & CITIZENSHIP	Ballwin			U.S.A.	
	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE
POST OFFICE ADDRESS	524 Weather- by Terrace	Ballwin		Missouri	63021
SIGNATURE OF INVENTOR			DA	TE	

	LAST	FIRST		WIDDLE	
FULL NAME (INVENTOR)	Rogers	Thomas		Edward	
	CITY STATE/FOREIGN COUNTRY Ballwin Missouri		COUNTRY OF CITIZENSHIP		
				U.S.A.	
POST OFFICE	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE
ADDRESS	Creek Drive	Ballwin		Missouri	63021
SIGNATURE OF INVENTOR			DA'	TE .	

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Ruminski	Peter		Gerrard	
RESIDENCE & CITIZENSHIP	CITY Dardenne Prairie	STATE/FOREIGN COUNTRY Missouri		COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	P.O. ADDRESS 7687 Pier- side Drive	CITY Dardenne Prairie	ST	ATE/COUNTRY Missouri	ZIP CODE
SIGNATURE OF INVENTOR			DATE		

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Russell	Mark		Andrew	
	CITY	STATE/FOREIGN COUNTRY Illinois		COUNTRY OF CITIZENSHIP	
RESIDENCE & CITIZENSHIP	Gurnee			U.S.A.	
	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE
POST OFFICE ADDRESS	475 Cross Road	Gurnee	Illinois		60031
SIGNATURE OF INVENTOR			DA'	re	·

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Yu	Yi			
RESIDENCE &	CITY	STATE/FOREIGH COUNTRY	1	COUNTRY OF CITIZENSH People's Republic	
CITIZENSHIP	Skokie	Illinois		of China	
POST OFFICE	P.O. ADDRESS 9065 Gross	CITY	ST	ATE/COUNTRY	ZIP CODE
ADDRESS	Point Road	Skokie		Illinois	60077
SIGNATURE OF INVENTOR			DA'	LE	

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HETEROCYCLIC GLYCYL β-ALANINE DERIVATIVES

		•	
The speci	fication of wh	nich (check one)	
☐ is	attached here	e to	
🗓 wa	s filed on Apr	il 8, 1999	
as Applic applicabl		40 and was amended on	(if
of the ab	ove identified	at I have reviewed and und I specification, including at referred to above.	derstand the contents the claims, as
to the pa	tentability of	e duty to disclose informate this application in accordions, §1.56(a).	cion which is material chance with Title 37,
States Co inventor' foreign a	de, § 119 of a s certificate oplication for	preign priority benefits un any foreign application(s) listed below and have also patent or inventor's cert of the application on who	for patent or o identified below any cificate having a
	PR	RIOR FOREIGN APPLICATION(S)
			Priority Claimed
			Claimed
		;	_
(Number)	(Country)	(Day/month/year filed	Yes No
•			
(Number)	(Country)	(Day/month/year filed	Yes No
(Number)	(Country)	(Day/month/year filed	Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as

defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.) (Filing date) (Status) (patented, pending, abandoned)

(Application Serial No.) (Filing date) (Status) (patented, pending, abandoned)

I hereby claim the benefit under 35 USC §119(e) of any United States Provisional Application listed below:

<u>60/081,394</u> <u>April 10, 1998</u> Application Number Filing Date

POWER OF ATTORNEY: As a named inventor, I hereby appoint as attorneys agents: DENNIS A. BENNETT, Registration No. 34547, JOSEPH W. BULOCK, Registration No. 37103, J. TIMOTHY KEANE, Registration No. 27808, CYNTHIA S. KOVACEVIC, Registration No. 35578, SCOTT J. MEYER, Registration No. 25275, MICHAEL J. ROTH, Registration No. 29342, and ROGER A. WILLIAMS, Registration No. 27679, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct all telephone calls to Cynthia S. Kovacevic at (847) 581-6954 and address all correspondence to:

G. D. Searle & Co. Corporate Patent Law Department . P.O. Box 5110 Chicago, IL 60680-5110 Attn: Roger A. Williams

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

	LAST	FIRST		MIDDLE	
(INVENTOR)	Chandrakumar	Nizal		Samuel	
	CITY			COUNTRY OF CITIZENSHIP	
RESIDENCE & CITIZENSHIP		COUNTRY Illinois		India	
DOGE OFFICE	P.O. ADDRESS		ST	ATE/COUNTRY	ZIP CODE
POST OFFICE ADDRESS	gomery Lane	Vernon Hills	:	Illinois	60061
SIGNATURE OF INVENTOR		DATE			

	LAST	FIRST		WIDDLE	
(INVENTOR)	FULL NAME (INVENTOR) Desai Bipinchandra		Nanubhai		
RESIDENCE & CITIZENSHIP		STATE/FOREIGN (COUNTRY Illinois		COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	P.O. ADDRESS 200 Anna- polis Drive	CITY Vernon Hills	STATE/COUNTRY Illinois		ZIP CODE 60061
SIGNATURE OF INVENTOR			DA'	re ·	

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Devadas	Balekudru			
DECEMBER 6	CITY	STATE/FOREIGN	1	COUNTRY OF C	:ITIZENSHIP
RESIDENCE &	Chesterfield	COUNTRY Missouri		U.S.A.	
POST OFFICE	P.O. ADDRESS	CITY	STATE/COUNTRY Missouri		ZIP CODE
ADDRESS	sol Drive	Chesterfield			63017
SIGNATURE OF INVENTOR			DA'	ГЕ	

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Gasiecki	Alan		Frank	
	CITY	STATE/FOREIGH	1	COUNTRY OF C	ITIZENSHIP
RESIDENCE & CITIZENSHIP		COUNTRY Illinois		U.S.A.	
DOCT OFFICE	P.O. ADDRESS		ST	ATE/COUNTRY	ZIP CODE
ADDRESS	105 Alexan- dria Drive	Vernon Hills	Illinois		60061
SIGNATURE OF INVENTOR			DA'	ГЕ	

THE NAME	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Huff	Renee			
DEGINERAL C	CITY			COUNTRY OF CITIZENSHIP	
RESIDENCE & CITIZENSHIP		COUNTRY Illinois		U.S.A.	
DOCT OFFICE	P.O. ADDRESS 837 N. Lin-	CITY Park	ST	ATE/COUNTRY	ZIP CODE
ADDRESS	coln Ave.	Ridge	Illinois		60068
SIGNATURE OF INVENTOR			DAT	re	

THE NAME	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Khanna	Ish		к	
RESIDENCE &	CITY	STATE/FOREIGN		COUNTRY OF C	ITIZENSHIP
CITIZENSHIP		COUNTRY Illinois		India	
DOCT OFFICE	P.O. ADDRESS 149 Brandy-	CITY Vernon	STA	ATE/COUNTRY	ZIP CODE
ADDRESS	wine	Hills	Illinois		60061
SIGNATURE OF INVENTOR			DA'	re	

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Malecha	James		W.	
RESIDENCE &	CITY Liberty-	STATE/FOREIGN COUNTRY		COUNTRY OF CITIZENSHIP	
CITIZENSHIP		Illinois		U.S.A.	
POST OFFICE	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE
ADDRESS	Lane	Liberty- ville		Illinois 60048	
SIGNATURE OF INVENTOR			DA.	re	

	LAST	FIRST		MIDDLE		
FULL NAME (INVENTOR)	Miyashiro	Julie		м.		
RESIDENCE &	CITY	STATE/FOREIGN	1	COUNTRY OF C	ITIZENSHIP	
	Skokie	Illinois		U.S.A.		
POST OFFICE	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE	
ADDRESS	Keeney	Skokie	Illinois		60076	
SIGNATURE OF INVENTOR			DA'	re	• .	

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Rao	Shashidhar		N	
	CITY	STATE/FOREIGN COUNTRY Illinois		COUNTRY OF CITIZENSHIP	
RESIDENCE & CITIZENSHIP	Mundelein			India	
DOCT OFFICE	P.O. ADDRESS	CITY	STATE/COUNTRY		ZIP CODE
POST OFFICE ADDRESS	Place	Mundelein			60060
SIGNATURE OF INVENTOR			DA'	TE .	

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Rico	Joseph		Gerace	
	CITY	STATE/FOREIGH	1	COUNTRY OF C	ITIZENSHIP
RESIDENCE & CITIZENSHIP	Ballwin	COUNTRY Missouri		U.S.A.	
2000 022702	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE
ADDRESS	524 Weather- by Terrace	Ballwin	Missouri		63021
SIGNATURE OF INVENTOR		Rus	DA'	E 16 199	9

FULL NAME	LAST	FIRST		WIDDLE	
(INVENTOR)	Rogers	Thomas		Edward	·
RESIDENCE &	CITY	STATE/FOREIGH	1	COUNTRY OF C	ITIZENSHIP
CITIZENSHIP	Ballwin	COUNTRY Missouri		U.S.A.	
DOCT OFFICE	P.O. ADDRESS	CITY	STATE/COUNTRY		ZIP CODE
ADDRESS	CE 755 Trago Creek Drive Ballwin			Missouri	63021
SIGNATURE OF INVENTOR Thoma Edward by DATE 6/16/99					

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Ruminski	Peter		Gerrard	
RESIDENCE &	CITY Dardenne	STATE/FOREIGN COUNTRY	1	COUNTRY OF C	ITIZENSHIP
CITIZENSHIP		Missouri		U.S.A.	-
POST OFFICE	P.O. ADDRESS	CITY Dardenne	STA	ATE/COUNTRY	ZIP CODE
ADDRESS	side Drive	Prairie	Missouri 6		63366
SIGNATURE OF INVENTOR	Pete Jena	1/ Ziminol.	DAT	G-16-59	

	LAST	FIRST		MIDDLE		
FULL NAME (INVENTOR)	Russell	Mark		Andrew		
RESIDENCE &	CITY	STATE/FOREIGH COUNTRY	1	COUNTRY OF C	ITIZENSHIP	
CITIZENSHIP	Gurnee	Illinois		U.S.A.		
DOGE OFFICE	P.O. ADDRESS	CITY	ST	ATE/COUNTRY	ZIP CODE	
POST OFFICE ADDRESS	Road	Gurnee	Illinois		60031	
SIGNATURE OF INVENTOR			DA'	TE .		

	LAST	FIRST		MIDDLE	
FULL NAME (INVENTOR)	Yu	Yi			
RESIDENCE & CITIZENSHIP	CITY Skokie	STATE/FOREIGN COUNTRY Illinois	COUNTRY OF CITIZED People's Republic of China		
POST OFFICE ADDRESS	P.O. ADDRESS 9065 Gross Point Road	CITY Skokie	ST	ATE/COUNTRY Illinois	ZIP CODE 60077
SIGNATURE OF INVENTOR			DA'	re	

	10 1000 MUO 8.18.44			
FORM PTG-1595 (Rev. 6-93)	18-1999 U.S. DEPARTMENT OF COMMERCE			
OMB No. 0651-0011 (exp. 4/94)	Patent and Trademark Office			
settings $\Rightarrow \Rightarrow \Rightarrow \qquad $	AN HORRY KENDER REINDER HANNE BLOCK FOREIGN			
To th Honorable Commissioner of Patents a. 101	119834ned original documents or copy thereof.			
1. Name of conveying party(ies):	Name and address of receiving party(ies):			
Nizal Samuel Chanddrakumar	Name: G. D. Searle & Co.			
Shashidhar N. Rao	Name: G. D. Scarc & Co.			
	Internal Address: Corporate Patent Department			
Additional name(s) of conveying party(ies) attached?				
3. Nature of conveyance:	· · · · · · · · · · · · · · · · · · ·			
X Assignment	Street Address: Post Office Box 511			
Security Agreement Change of Name				
Other	City: Chicago State: IL ZIP: 60680			
Execution Date: June 10, 1999	Additional name(s) & address(es) attached?			
If this document is being filed together with a new application A. Patent Application No.(s) Application No. 09/289,140 Filing Date: April 8, 1999	B. Patent No.(s)			
Additional numbers a	ttached?			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:			
Name: Cynthia S. Kovacevic	7. Total fee (37 CFR 3.41) \$ 40.00			
Internal Address: Corporate Patent Department	_1			
	☐ Enclosed			
G. D. Searle & Co.	X Authorized to be charged to deposit account			
Street Address: Post Office Box 5110	8. Deposit account number:			
City: Chicago State: IL ZIP: 60680	(Attach duplicate copy of this page if paying by deposit account)			
1/18/1999 DCURIES 00000013 191025 09289140 DO NO	T USE THIS SPACE			
the original document.	rmation is true and correct and any attached copy is a tru copy of Rua S. Konalevic August 9, 1999 Signature Date			
	cover sheet, attachments, and document:			

ASSIGNMENT (JOINT, SEPARATE)

For good and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I, Nizal S. Chandrakumar, residing at 15 Montgomery Lane, Vernon Hills, State of Illinois, and Shashidhar N. Rao, residing at 736 Bellerive Manor Drive, St. Louis, State of Missouri, hereby sell, assign, transfer, and convey unto G. D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois 60680, its successors and assigns, my entire right, title, and interest in and to the invention in HETEROCYCLIC GLYCYL β -ALANINE DERIVATIVES described in an application for United States Letters Patent (filed as S/N 09/289,140 on April 8, 1999) and in to all Letters Patent of the United States and foreign countries, in which I am a joint inventor with Bipinchandra Nanubhai Desai, Balekudru Devadas, Alan Frank Gasiecki, Renee Huff, Ish K. Khanna, James W. Malecha, Julie M. Miyashiro, Shashidhar N. Rao, Joseph Gerace Rico, Thomas Edward Rogers, Peter Gerrard Rumininski, Mark Andrew Russell, and Yi Yu, including any divisions, continuations, reissues, and extensions thereof that may be obtained therefor; and I agree that I will, without additional compensation, but without cost to me, promptly communicate to said G. D. SEARLE & CO., or its representatives, any facts known to me respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and I hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G. D. SEARLE & CO., its successors and assigns.

Signed and sealed this 10 day of dune

SS

Night Sound chamber

State of Missouri

County of Missouri

On the day and year aforesaid, appeared Nizal S. Chandrakumar and Shashidhar N. Rao, personally known to me, and by me personally known to be the persons who executed the above instrument, who, being duly sworn, acknowledged that they each executed the above instrument as their free and voluntary act.

Portia M. Simpson, Notary Public County of St. Louis, State of Missouri My Commission Expires July 5, 2001

2913AS3CSK

FIRST CLASS MAIL

Date of Deposit: August 9, 1999

I hereby certify that these papers or fees are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on the date listed above.

- [X] Four (4) Original Assignments executed by all Fourteen (14) Inventors
- [X] Four (4) Original Recordation Form Cover Sheets
- [X] Certificate of Mailing
- [X] Post Card

Dixie L. Pawlowski

(Typed or printed name of person mailing paper or fee)

(Signature of person mailing

paper or fee)

August 9, 1999

Date

fcm3.dlp

FORMPTO-1595	08-18	-1999	U.S	DEPARTMENT	OF COMMERCE
(Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)				Patent and	Trademark Office
Tab settings ⇒ ⇔ ➡		_	chad ariainal a	documents or	
To the Honorable Commissioner of Patents	10111	2. Name and addre			copy thereof.
1. Name of conveying party(ies):		2. Name and addit	ess of receiving	party (100).	:
Devadas, Balekudru		Name: G.D.S	earle & Co.		
		Internal Address:	Corporate P	Patent Depart	tment
Additional name(s) of conveying party(ies) attached?	Yes X No				
3. Nature of conveyance:					
X Assignment	er	Street Address:	Post Office E	30x 5110	
Security Agreement Chan	ige of Name				
Other		City: Chicago		State: IL	ZIP: 60680
Execution Date: July 12, 1999		Additional name(s) & ad	dress(es) attached?	Yes	X No
4. Application number(s) or patent number(s): If this document is being filed together with A. Patent Application No.(s) 09/289,140 Filing Date: April 8, 1999		B. Patent N		ı is:	
	Additional numbers attac	hed? [] Tes [<u>XI 140</u>		
Name and address of party to whom corrections concerning document should be mailed:	espondence	6. Total number of	applications an	d patents invo	olved:
Name: Cynthia S. Kovacevic		7. Total fee (37 CF	FR 3.41)	s 40.06	0
Internal Address: Corporate Patent Depart	tment		•		
		Enclosed			
		X Authorized t	o be charged to	deposit acco	ount
Street Address: G. D. Searle & Co.		8. Deposit account	number:		
Post Office Box 5110		19-1025			
City: Chicago State: IL	ZIP: <u>60680</u>		copy of this pag	e if paying by d	leposit account)
DO NOT USE THIS SPACE					
To the best of my knowledge and belief, the the original document. Cynthia S. Kovacevic Name of Person Signing	Capath	ation is true and correction is true and correction is true and correction is supplied to the supplied in the	acevic_	ached copy is declared and cop	
i otal number	r or pages including co	ver sneer, attachments, at	no accument.		

ASSIGNMENT (JOINT, SEPARATE)

For good and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I, Balekudru Devadas, residing at 2175 Parasol Drive, Chesterfield, State of Missouri, hereby sell, assign, transfer, and convey unto G. D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois 60680, its successors and assigns, my entire right, title, and interest in and to the invention in HETEROCYCLIC GLYCYL β -ALANINE DERIVATIVES described in an application for United States Letters Patent (filed as S/N 09/289,140 on April 8, 1999) and in to all Letters Patent of the United States and foreign countries, in which I am a joint inventor with Nizal Samuel Chandrakumar, Bipinchandra Nanubhai Desai, Alan Frank Gasiecki, Renee Huff, Ish K. Khanna, James W. Malecha, Julie M. Miyashiro, Shashidhar N. Rao, Joseph Gerace Rico, Thomas Edward Rogers, Peter Gerrard Ruminski, Mark Andrew Russell, and Yi Yu, including any divisions, continuations, reissues, and extensions thereof that may be obtained therefor; and I agree that I will, without additional compensation, but without cost to me, promptly communicate to said G. D. SEARLE & CO., or its representatives, any facts known to me respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and I hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G. D. SEARLE & CO., its successors and assigns.

Signed and sealed this 12 day of July, 1999.

State of Missouri County of tranklin

2913ASBKCSR

SS

On the day and year aforesaid, appeared Balekudru Devadas, personally known to me, and by me personally known to be the person who executed the above instrument, who, being duly sworn, acknowledged that he executed the above instrument as his free and voluntary act. MA TANELI Public

MARGIE A. PINNELL Notary Public - Notary Seal State of Missouri Franklin County

My Commission Expires May 3, 2002

10-18-	1000
(Rev. 6-83)	U.S. DEPARTMENT OF COMMERCE
OMB No. 0651-0011 (exp. 4/94)	Patent and Trademark Office
To the Honorable Commissioner of Paten 101147	7217 ached original documents or copy ther of.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
See Attachment 1	2. Name and address of reserving party (1889).
See Attachment 1	Name: G. D. Searle & Co.
	Internal Address: Corporate Patent Department
	Corporato I atom Dopar amont
Additional name(s) of conveying party(ies) attached?	
3. Nature of conveyance:	
X Assignment ☐ Merger	Street Address: Post Office Box 5110
	Tost Office Box 3110
Other	City: Chicago State: IL ZIP: 60680
Execution Date: June 16, 1999	Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s):	•
If this document is being filed together with a new application	the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/289,140	
Filing Date: April 8, 1999	
Additional numbers attac	ched? Yes. X No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
concerning document should be maned.	o. Total number of applications and patents involved.
Name: Cynthia S. Kovacevic	7. Total fee (37 CFR 3.41) \$ 40.00
Internal Address: Corporate Patent Department	7. Total lee (37 CFR 3.41)
miemai Address.	☐ Enclosed
	X Authorized to be charged to deposit account
	The state of the s
Street Address: G. D. Searle & Co.	«
	8. Deposit account number:
Post Office Box 5110	19-1025
City: Chicago State: N ZIP: 60680	(Attach duplicate copy of this page if paying by deposit account)
DO NOT (USE THIS SPACE
C. Statement and signature	
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform.	ation is true and correct and any attached copy is a true copy of
the original document.	_
Cynthia S. Kovacevic Cynthia	Signature Quelet 9 1999
Ham of Fragining	3
Total number of pages including co	ver sheet, attachments, and document:

Attachment to Form PTO - 1595 Recordation Form Cover Sheet

Attachment 1

Joseph Gerace Rico Thomas Edward Rogers Peter Gerrard Ruminski

ASSIGNMENT (JOINT, SEPARATE)

For good and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I, Joseph Gerace Rico, residing at 524 Weatherby Terrace Drive, Ballwin, State of Missouri, Thomas Edward Rogers, residing at 755 Trago Creek Drive, Ballwin, State of Missouri, and Peter Gerrard Ruminski, residing at 7687 Pierside Drive, Dardenne Prairie, State of Missouri, hereby sell, assign, transfer, and convey unto G. D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois 60680, its successors and assigns, my entire right, title, and interest in and to the invention in HETEROCYCLIC GLYCYL β-ALANINE DERIVATIVES described in an application for United States Letters Patent (filed as S/N 09/289,140 on April 8, 1999) and in to all Letters Patent of the United States and foreign countries, in which I am a joint inventor with Nizal Samuel Chandrakumar, Bipinchandra Nanubhai Desai, Balekudru Devadas, Alan Frank Gasiecki, Renee Huff, Ish K. Khanna, James W. Malecha, Julie M. Miyashiro, Shashidhar N. Rao, Mark Andrew Russell, and Yi Yu, including any divisions, continuations, reissues, and extensions thereof that may be obtained therefor; and I agree that I will, without additional compensation, but without cost to me, promptly communicate to said G. D. SEARLE & CO., or its representatives, any facts known to me respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and I hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G. D. SEARLE & CO., its successors and assigns.

Signed and sealed this the day of the , 1999.

oseph Gerace Rico

Thomas Edward Rogers

Peter Gerrard Ruminski

State of Missouri

County of St. Louis

On the day and year aforesaid, appeared Joseph Gerace Rico, Thomas Edward Rogers and Peter Gerrard Ruminski personally known to me, and by me personally known to be the persons who executed the above instrument, who, being duly sworn, acknowledged that they each executed the above instrument as their free and voluntary act.

> MICHELLE R. WARD **Notary Public-Notary Seal** State of Missouri St Louis City

My Commission Expires Dec 27, 2002

Muhlleff. Dars

2913AS2.CSK

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FORM PTO-1595 -7 - (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	08-18-19	999	U.:		OF COMMERCE Trademark Office
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To the Honorable Commissioner of Pater 1. Name of conveying party(ies): Bipinchandra Nanubhai Desai Alan Frank Gasiecki Renee Huff Additional name(s) of conveying party(ies) attached?	1011198	35 <u>t</u> 2. Name and addr Name: <u>G. D. S</u> Internal Address	earle & Co.		
3. Nature of conveyance:					
	rger ange of Name	Street Address:	Post Office I	3ox 511	
Other		City: Chicago		State: IL	ZIP: <u>60680</u>
Execution Date: <u>June 9, 1999</u>		Additional name(s) & ad	dress(es) attached?	Yes	X No
4. Application number(s) or patent number(s): If this document is being filed together wit A. Patent Application No.(s) Application No. 09/289,140 Filing Date: April 8, 1999	th a new application, th	B. Patent I	No.(s)	n is:	
	Additional numbers attache	j? ∐ Yes [X No		
5. Name and address of party to whom corconcerning document should be mailed:		3. Total number of	applications an	d patents invol	ved: 1
Name: Cynthia S. Kovacevic		'. Total fee (37 CF	R 3.41)	\$ <u>40.00</u>)
Internal Address: Corporate Patent Depa	rtment	Enclosed			
G. D. Searle & Co.		X Authorized t	o be charged to	deposit acco	unt
Street Address: Post Office Box 5110		3. Deposit account	number:		
City: Chicago State: IL			copy of this pag	e if paying by de	eposit account)
/1999 DCDATES 00000012 191025 09289140	DO NOT US	E THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, to the original document. Cynthia S. Kovacevic Name of Person Signing	<u>Cepntheo</u>	S. Kova Signature	cerc C		
lotal numb	per of pages including cover	succi, attachments, a	no oocument:		

FC

Attachment to Form PTO - 1595 Recordation Form Cover Sheet

Additional Conveying Parties

- Ish K. Khanna
- James W. Malecha
- Julie M. Miyashiro
- Mark Andrew Russell
- Yi Yu

ASSIGNMENT (JOINT, SEPARATE)

For good and other valuable considerations, the r c ipt and sufficiency of which ar hereby acknowledged, I, Bipinchandra Nanubhai Desai, residing at 200 Annapolis Drive, Vernon Hills, State of Illinois; Alan Frank Gasiecki, residing at 105 Alexandria Driv , V rnon Hills, Stat of Illinois; R nee Huff, residing at 837 N. Lincoln Avenue, Park Ridge, State of Illinois; Ish K. Khanna, residing at 149 Brandywine Court, V rnon Hills, State of Illinois; James W. Malecha, residing at 1121 Tracy Lane, Libertyville, State of Illinois; Julie M. Miyashiro, residing at 4654 W. Keeney, Skokie, Skokie, State of Illinois; Mark Andrew Russell, residing at 475 Cross Road, Gume , State of Illinois and Yi Yu, residing at 9065 Gross Point Road, Skokie, State of Illinois, hereby sell, assign, transfer, and convey unto

G. D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois 60680, its successors and assigns, my entire right, title, and interest in and to the invention in HETEROCYCLIC GLYCYL β-ALANINE DERIVATIVES described in an application for United States Letters Patent therefor, (filed as S/N 09/289,140 on April 8, 1999) and in and to all Letters Patent of the United States and foreign countries, in which I am a joint inventor with Nizal S. Chandrakumar, Balekudru Devadas, Shashidhar N. Rao, Joseph Gerace Rico, Thomas Edward Rogers, and Peter Gerrard Ruminski, including any divisions, continuations, reissues, and extensions thereof that may be obtained therefor; and I agree that I will, without additional compensation, but without cost to me, promptly communicate to said G. D. SEARLE & CO., or its representatives, any facts known to me respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and I hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G. D. SEARLE & CO., its successors and assigns.

Signed and sealed this Though June 1999.

Shank Wand San Frank Gasiecki Renee Huff

Sh K. Khana James W. Malecha Julie M. Miyashiro

Mark Andrew Russell Yi Yu

Signed and sealed this Though June 1999.

Should be a sealed this Though June 1999.

Should be a sealed this Though Julie M. Miyashiro

Yi Yu

Yi Yu

Yi Yu

Signed and sealed this Though Julie M. Miyashiro

The sealed this Though Julie M. Miyashiro

Yi Yu

Yi Yu

State of Illinois)

County of Cook

SS

On the day and year aforesaid, appeared Bipinchandra Nanubhai Desai, Alan Frank Gasiecki, Renee Huff, Ish K. Khanna, James W. Malecha, Julie M. Miyashiro, Mark Andrew Russell and Yi Yu, personally known to me, and by me personally known to be the persons who executed the above instrument, who, being duly sworn, acknowledged that they each executed the above instrument as their free and voluntary act.

Notary Publ

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OFFICIAL SEAL
CANDACE JOHNSON
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES: 10/16/01